

IN THE CLAIMS

Please amend the claims as follows:

- Sub C1*
1. A golf ball comprising:
    - a center;
    - a thread winding layer comprising at least one thread, said at least one thread has a specific gravity greater than 1.2, and wherein said thread winding layer is disposed over said center creating a core; and
    - a cover, wherein said cover is disposed over said core.
  2. The golf ball of claim 1, wherein said thread is comprised of a thermoset material having a specific gravity greater than 1.2.
  3. The golf ball of claim 1, wherein said thread is comprised of a thermoplastic elastomer (TPE) material having a specific gravity greater than 1.2.
  4. The golf ball of claim 1, wherein said thread comprises at least one high specific gravity filler having a specific gravity greater than 5.6.
  5. The golf ball of claim 2, wherein said thread further comprises at least one high specific gravity filler having a specific gravity greater than 5.6.
  6. The golf ball of claim 3, wherein said thread further comprises at least one high specific gravity filler having a specific gravity greater than 5.6.
- B1*

Sub  
C1  
B2  
19. A method of making a golf ball having high specific gravity threads comprising the steps of:

wrapping at least one thread having a specific gravity greater than 1.2

around a center forming a core; and

disposing a cover upon said core.

Sub  
C1  
B3  
23. A golf ball comprising:

a center;

a thread winding layer comprising at least one thread, said thread winding layer having a specific gravity greater than 0.94;

at least one high specific gravity filler having a specific gravity greater than 5.6 in said at least one thread, wherein said thread winding layer is disposed over said center creating a core; and,

a cover, wherein said cover is disposed over said core.

24. The golf ball of claim 23, wherein said high specific gravity filler is selected from the group consisting of tungsten, bismuth, copper, bismuth oxide, nickel, cobalt, Iron/steel, tin, chromium, zinc, bismuth subcarbonate, cupric oxide, barium tungstate, cuprous oxide, ferrous oxide and zirconium dioxide.

25. The golf ball of claim 23 wherein the ball formed has a calculated Moment of Inertia of Ball from 12.4 - 13.4 (g-in<sup>2</sup>).

26. The golf ball of claim 23 wherein the thread layer has a thickness from 0.05 - 0.35 inches.

27. The golf ball of claim 23 wherein said center can range from 1.00 - 1.48 inches.

28. The golf ball of claim 23 wherein said center weighs from 15 - 35 grams.

29. The golf ball of claim 23 wherein the core size can range from 1.48 - 1.68 inches.

30. The golf ball of claim 23 wherein the core weight is from 30 - 40 grams.

31. The golf ball of claim 23 the diameter of the ball is from 1.58 - 1.78 inches.

32. The golf ball of claim 23 wherein the weight of the ball is from 40 - 50 grams

33. The golf ball of claim 23 wherein the specific gravity of the center is from 1.2 -1.3.

34. The golf ball of claim 23 wherein the thread layer weight is from 2.5 - 25.0 grams.

35. A golf ball comprising:

a center, wherein said center weighs from 15 - 35 grams;

a thread winding layer comprising at least one thread, said thread winding layer having a specific gravity greater than 0.94;

at least one high specific gravity filler having a specific gravity greater than 5.6 in said at least one thread, wherein said high specific gravity filler is selected from the group consisting of tungsten, bismuth, copper, bismuth oxide, nickel, cobalt, Iron/steel, tin, chromium, zinc, bismuth subcarbonate, cupric oxide, barium tungstate, cuprous oxide, ferrous oxide and zirconium dioxide, wherein said thread winding layer is disposed over said center creating a core; and,

a cover, wherein said cover is disposed over said core and the diameter of the ball is from 1.58 - 1.78 inches and has a calculated moment of inertia from 12.4 - 13.4 (g-in<sup>2</sup>).

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MARKED UP CLAIMS

1. (Amended) A golf ball comprising:
  - a center;
  - a thread winding layer comprising at least one thread, said at least one thread has thread a specific gravity greater than [0.94] 1.2, and wherein said thread winding layer is disposed over said center creating a core; and
  - a cover, wherein said cover is disposed over said core.
2. (Amended) The golf ball of claim 1, wherein said thread is comprised of a thermoset material having a specific gravity greater than [0.94] 1.2.
3. (Amended) The golf ball of claim 1, wherein said thread is comprised of a thermoplastic elastomer (TPE) material having a specific gravity greater than [0.94] 1.2.
4. (Amended) The golf ball of claim 1, wherein said thread comprises at least one high specific gravity filler having a specific gravity greater than 5.6.
5. (Amended) The golf ball of claim 2, wherein said thread further comprises at least one high specific gravity filler having a specific gravity greater than 5.6.
6. (Amended) The golf ball of claim 3, wherein said thread further comprises at least one high specific gravity filler having a specific gravity greater than 5.6.

19. (Amended) A method of making a golf ball having high specific gravity threads comprising the steps of:
- wrapping at least one thread having a specific gravity greater than [0.94] 1.2
  - around a center forming a core; and
  - disposing a cover upon said core.
23. (New) A golf ball comprising:
- a center;
  - a thread winding layer comprising at least one thread, said thread winding layer having a specific gravity greater than 0.94;
  - at least one high specific gravity filler having a specific gravity greater than 5.6 in said at least one thread, wherein said thread winding layer is disposed over said center creating a core; and,
  - a cover, wherein said cover is disposed over said core.
24. (New) The golf ball of claim 23, wherein said high specific gravity filler is selected from the group consisting of tungsten, bismuth, copper, bismuth oxide, nickel, cobalt, Iron/steel, tin, chromium, zinc, bismuth subcarbonate, cupric oxide, barium tungstate, cuprous oxide, ferrous oxide and zirconium dioxide.

25. (New) The golf ball of claim 23 wherein the ball formed has a calculated Moment of Inertia of Ball from 12.4 - 13.4 (g-in<sup>2</sup>).

26. (New) The golf ball of claim 23 wherein the thread layer has a thickness from 0.05 - 0.35 inches.

27. (New) The golf ball of claim 23 wherein said center can range from 1.00 - 1.48 inches.

28. (New) The golf ball of claim 23 wherein said center weighs from 15 - 35 grams.

29. (New) The golf ball of claim 23 wherein the core size can range from 1.48 - 1.68 inches.

30. (New) The golf ball of claim 23 wherein the core weight is from 30 - 40 grams.

31. (New) The golf ball of claim 23 the diameter of the ball is from 1.58 - 1.78 inches.

32. (New) The golf ball of claim 23 wherein the weight of the ball is from 40 - 50 grams

33. (New) The golf ball of claim 23 wherein the specific gravity of the center is from 1.2 -1.3.

34. (New) The golf ball of claim 23 wherein the thread layer weight is from 2.5 - 25.0 grams.

35. (New) A golf ball comprising:

a center, wherein said center weighs from 15 - 35 grams;

a thread winding layer comprising at least one thread, said thread winding layer having a specific gravity greater than 0.94;

at least one high specific gravity filler having a specific gravity greater than 5.6 in said at least one thread, wherein said high specific gravity filler is selected from the group consisting of tungsten, bismuth, copper, bismuth oxide, nickel, cobalt, Iron/steel, tin, chromium, zinc, bismuth subcarbonate, cupric oxide, barium tungstate, cuprous oxide, ferrous oxide and zirconium dioxide, wherein said thread winding layer is disposed over said center creating a core; and,

a cover, wherein said cover is disposed over said core and the diameter of the ball is from 1.58 - 1.78 inches and has a calculated moment of inertia from 12.4 - 13.4 (g-in<sup>2</sup>).